

re-run#
13**RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/554,533A
Source: PCF
Date Processed by STIC: 5/11/05

ENTERED



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/554,533A

DATE: 05/11/2005
TIME: 18:13:58

Input Set : N:\AMC\US09554533A.raw
Output Set: N:\CRF4\05112005\I554533A.raw

1 <110> APPLICANT: BEELEY, NIGEL R. A.
 2 PRICKETT, KATHRYN S.
 3 <120> TITLE OF INVENTION: NOVEL EXENDIN AGONIST COMPOUNDS
 4 <130> FILE REFERENCE: 18528.016 (238/086 US)
 C--> 5 <140> CURRENT APPLICATION NUMBER: US/09/554,533A
 6 <141> CURRENT FILING DATE: 2000-05-11
 7 <150> PRIOR APPLICATION NUMBER: PCT/US98/24210
 8 <151> PRIOR FILING DATE: 1998-11-13
 9 <150> PRIOR APPLICATION NUMBER: 60/065,442
 10 <151> PRIOR FILING DATE: 1997-11-14
 11 <160> NUMBER OF SEQ ID NOS: 87
 12 <170> SOFTWARE: PatentIn version 3.2
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 39
 16 <212> TYPE: PRT
 17 <213> ORGANISM: Heloderma horridum
 18 <220> FEATURE:
 19 <223> OTHER INFORMATION: C-term amidated
 20 <400> SEQUENCE: 1
 21 His Ser Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 22 1 5 10 15
 23 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
 24 20 25 30
 25 Ser Gly Ala Pro Pro Pro Ser
 26 35
 28 <210> SEQ ID NO: 2
 29 <211> LENGTH: 39
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Helodermasuspectum
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: C-term amidated
 34 <400> SEQUENCE: 2
 35 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 36 1 5 10 15
 37 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
 38 20 25 30
 39 Ser Gly Ala Pro Pro Pro Ser
 40 35
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 30
 44 <212> TYPE: PRT
 45 <213> ORGANISM: Homo sapien
 46 <220> FEATURE:

Pb

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47 <223> OTHER INFORMATION: C-term amidated
48 <400> SEQUENCE: 3
49 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
50 1 5 10 15
51 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
52 20 25 30

54 <210> SEQ ID NO: 4
55 <211> LENGTH: 38
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
60 <220> FEATURE:
61 <221> NAME/KEY: MOD_RES
62 <222> LOCATION: (1)
63 <223> OTHER INFORMATION: His, Arg or Tyr
64 <220> FEATURE:
65 <221> NAME/KEY: MOD_RES
66 <222> LOCATION: (2)
67 <223> OTHER INFORMATION: Ser, Gly, Ala or Thr
68 <220> FEATURE:
69 <221> NAME/KEY: MOD_RES
70 <222> LOCATION: (3)
71 <223> OTHER INFORMATION: Ala, Asp, or Glu
72 <220> FEATURE:
73 <221> NAME/KEY: MOD_RES
74 <222> LOCATION: (5)
75 <223> OTHER INFORMATION: Ala or Thr
76 <220> FEATURE:
77 <221> NAME/KEY: MOD_RES
78 <222> LOCATION: (6)
79 <223> OTHER INFORMATION: Ala, Phe, Tyr or naphthylalanine
80 <220> FEATURE:
81 <221> NAME/KEY: MOD_RES
82 <222> LOCATION: (7)
83 <223> OTHER INFORMATION: Thr or Ser
84 <220> FEATURE:
85 <221> NAME/KEY: MOD_RES
86 <222> LOCATION: (8)
87 <223> OTHER INFORMATION: Ala, Ser or Thr
88 <220> FEATURE:
89 <221> NAME/KEY: MOD_RES
90 <222> LOCATION: (9)
91 <223> OTHER INFORMATION: Asp or Glu
92 <220> FEATURE:
93 <221> NAME/KEY: MOD_RES
94 <222> LOCATION: (10)
95 <223> OTHER INFORMATION: Ala, Leu, Ile, Val, pentylglycine, or Met
96 <220> FEATURE:

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Input Set : N:\AMC\US09554533A.raw
Output Set: N:\CRF4\05112005\I554533A.raw

97 <221> NAME/KEY: MOD_RES
98 <222> LOCATION: (11)
99 <223> OTHER INFORMATION: Ala or Ser
100 <220> FEATURE:
101 <221> NAME/KEY: MOD_RES
102 <222> LOCATION: (12)
103 <223> OTHER INFORMATION: Ala or Lys
104 <220> FEATURE:
105 <221> NAME/KEY: MOD_RES
106 <222> LOCATION: (13)
107 <223> OTHER INFORMATION: Ala or Gln
108 <220> FEATURE:
109 <221> NAME/KEY: MOD_RES
110 <222> LOCATION: (14)
111 <223> OTHER INFORMATION: Ala, Leu, Ile pentylglycine, Val, or Met
112 <220> FEATURE:
113 <221> NAME/KEY: MOD_RES
114 <222> LOCATION: (15)
115 <223> OTHER INFORMATION: Ala or Glu
116 <220> FEATURE:
117 <221> NAME/KEY: MOD_RES
118 <222> LOCATION: (16)
119 <223> OTHER INFORMATION: Ala or Glu
120 <220> FEATURE:
121 <221> NAME/KEY: MOD_RES
122 <222> LOCATION: (17)
123 <223> OTHER INFORMATION: Ala or Glu
124 <220> FEATURE:
125 <221> NAME/KEY: MOD_RES
126 <222> LOCATION: (19)
127 <223> OTHER INFORMATION: Ala or Val
128 <220> FEATURE:
129 <221> NAME/KEY: MOD_RES
130 <222> LOCATION: (20)
131 <223> OTHER INFORMATION: Ala or Arg
132 <220> FEATURE:
133 <221> NAME/KEY: MOD_RES
134 <222> LOCATION: (21)
135 <223> OTHER INFORMATION: Ala or Leu
136 <220> FEATURE:
137 <221> NAME/KEY: MOD_RES
138 <222> LOCATION: (22)
139 <223> OTHER INFORMATION: Phe, Tyr, or naphthylalanine
140 <220> FEATURE:
141 <221> NAME/KEY: MOD_RES
142 <222> LOCATION: (23)
143 <223> OTHER INFORMATION: Ile, Val, Leu, pentylglycine, tert-butylglycine,
144 or Met
145 <220> FEATURE:

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Input Set : N:\AMC\US09554533A.raw
Output Set: N:\CRF4\05112005\I554533A.raw

146 <221> NAME/KEY: MOD_RES
147 <222> LOCATION: (24)
148 <223> OTHER INFORMATION: Ala, Glu, or Asp
149 <220> FEATURE:
150 <221> NAME/KEY: MOD_RES
151 <222> LOCATION: (25)
152 <223> OTHER INFORMATION: Ala, Trp, Phe, Tyr, or naphthylalanine
153 <220> FEATURE:
154 <221> NAME/KEY: MOD_RES
155 <222> LOCATION: (26)
156 <223> OTHER INFORMATION: Ala or Leu
157 <220> FEATURE:
158 <221> NAME/KEY: MOD_RES
159 <222> LOCATION: (27)
160 <223> OTHER INFORMATION: Ala or Lys
161 <220> FEATURE:
162 <221> NAME/KEY: MOD_RES
163 <222> LOCATION: (28)
164 <223> OTHER INFORMATION: Ala or Asn
165 <220> FEATURE:
166 <221> NAME/KEY: MOD_RES
167 <222> LOCATION: (29)
168 <223> OTHER INFORMATION: Gly or not present
169 <220> FEATURE:
170 <221> NAME/KEY: MOD_RES
171 <222> LOCATION: (30)
172 <223> OTHER INFORMATION: Gly or not present
173 <220> FEATURE:
174 <221> NAME/KEY: MOD_RES
175 <222> LOCATION: (31)
176 <223> OTHER INFORMATION: Pro, homoproline, 3Hyp, 4Hyp, thioproline,
177 N-alkylglycine, N-alkylpentylglycine,
178 N-alkylalanine, or not present
179 <220> FEATURE:
180 <221> NAME/KEY: MOD_RES
181 <222> LOCATION: (32)
182 <223> OTHER INFORMATION: Ser or not present
183 <220> FEATURE:
184 <221> NAME/KEY: MOD_RES
185 <222> LOCATION: (33)
186 <223> OTHER INFORMATION: Ser or not present
187 <220> FEATURE:
188 <221> NAME/KEY: MOD_RES
189 <222> LOCATION: (34)
190 <223> OTHER INFORMATION: Gly or not present
191 <220> FEATURE:
192 <221> NAME/KEY: MOD_RES
193 <222> LOCATION: (35)
194 <223> OTHER INFORMATION: Ala or not present

RAW SEQUENCE LISTING

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Input Set : N:\AMC\US09554533A.raw

Output Set: N:\CRF4\05112005\I554533A.raw

195 <220> FEATURE:
196 <221> NAME/KEY: MOD_RES
197 <222> LOCATION: (36)
198 <223> OTHER INFORMATION: Pro, homoproline, 3Hyp, 4Hyp, thioproline,
199 N-alkylglycine, N-alkylpentylglycine,
200 N-alkylalanine, or not present
201 <220> FEATURE:
202 <221> NAME/KBY: MOD_RES
203 <222> LOCATION: (37)
204 <223> OTHER INFORMATION: Pro, homoproline, 3Hyp, 4Hyp, thioproline,
205 N-alkylglycine, N-alkylpentylglycine,
206 N-alkylalanine, or not present
207 <220> FEATURE:
208 <221> NAME/KEY: MOD_RES
209 <222> LOCATION: (38)
210 <223> OTHER INFORMATION: Pro, homoproline, 3Hyp, 4Hyp, thioproline,
211 N-alkylglycine, N-alkylpentylglycine,
212 N-alkylalanine, or not present
213 <220> FEATURE:
214 <223> OTHER INFORMATION: May be c-term amidated
215 <400> SEQUENCE: 4
W--> 216 Xaa Xaa Xaa Gly Xaa
217 1 5 10 15
218 Xaa Ala Xaa
219 20 25 30
220 Xaa Xaa Xaa Xaa Xaa Xaa
221 35
223 <210> SEQ ID NO: 5
224 <211> LENGTH: 30
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
229 <220> FEATURE:
230 <223> OTHER INFORMATION: May be c-term amidated
231 <400> SEQUENCE: 5
232 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
233 1 5 10 15
234 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
235 20 25 30
237 <210> SEQ ID NO: 6
238 <211> LENGTH: 28
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
243 <220> FEATURE:
244 <223> OTHER INFORMATION: May be c-term amidated
245 <400> SEQUENCE: 6

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/11/2005
PATENT APPLICATION: US/09/554,533A TIME: 18:13:59

Input Set : N:\AMC\US09554533A.raw
Output Set: N:\CRF4\05112005\I554533A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23,24
Seq#:4; Xaa Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38
Seq#:47; Xaa Pos. 31,36,37,38
Seq#:48; Xaa Pos. 36,37,38
Seq#:49; Xaa Pos. 31
Seq#:50; Xaa Pos. 31,36,37
Seq#:51; Xaa Pos. 31,36,37
Seq#:52; Xaa Pos. 31,36
Seq#:55; Xaa Pos. 6
Seq#:59; Xaa Pos. 10
Seq#:60; Xaa Pos. 22
Seq#:61; Xaa Pos. 23
Seq#:65; Xaa Pos. 31,36,37
Seq#:66; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23,24
Seq#:66; Xaa Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40
Seq#:67; Xaa Pos. 1,26
Seq#:68; Xaa Pos. 1,26
Seq#:69; Xaa Pos. 1,26
Seq#:70; Xaa Pos. 1,26
Seq#:71; Xaa Pos. 1,27
Seq#:72; Xaa Pos. 1,27
Seq#:73; Xaa Pos. 1,27
Seq#:74; Xaa Pos. 1,27
Seq#:75; Xaa Pos. 3
Seq#:76; Xaa Pos. 3
Seq#:77; Xaa Pos. 3
Seq#:78; Xaa Pos. 3,8
Seq#:79; Xaa Pos. 3,8,9
Seq#:80; Xaa Pos. 3,8,9,10
Seq#:81; Xaa Pos. 3
Seq#:82; Xaa Pos. 3
Seq#:83; Xaa Pos. 3
Seq#:84; Xaa Pos. 3,8
Seq#:85; Xaa Pos. 3,8,9
Seq#:86; Xaa Pos. 3,8,9,10
Seq#:87; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23,24
Seq#:87; Xaa Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/554,533A

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Input Set : N:\AMC\US09554533A.raw

Output Set: N:\CRF4\05112005\I554533A.raw

L:5 M:270 C: Current Application Number differs, Wrong Format
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:16
M:341 Repeated in SeqNo=47
L:872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:32
L:890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:16
L:914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:16
M:341 Repeated in SeqNo=50
L:938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:16
M:341 Repeated in SeqNo=51
L:962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:16
M:341 Repeated in SeqNo=52
L:1010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:1070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0
L:1090 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:16
L:1108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:16
L:1173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:16
M:341 Repeated in SeqNo=65
L:1348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0
M:341 Repeated in SeqNo=66
L:1372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0
M:341 Repeated in SeqNo=67
L:1394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0
M:341 Repeated in SeqNo=68
L:1416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:0
M:341 Repeated in SeqNo=69
L:1438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
M:341 Repeated in SeqNo=70
L:1460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0
M:341 Repeated in SeqNo=71
L:1482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0
M:341 Repeated in SeqNo=72
L:1504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
M:341 Repeated in SeqNo=73
L:1526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0
M:341 Repeated in SeqNo=74
L:1544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
L:1563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0
L:1582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0
L:1607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:0
L:1638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0
L:1674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:0
L:1689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
L:1707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:1725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0
L:1748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:0
L:1776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:0

VERIFICATION SUMMARY**PATENT APPLICATION:** US/09/554,533A**DATE:** 05/11/2005**TIME:** 18:13:59**Input Set :** N:\AMC\US09554533A.raw**Output Set:** N:\CRF4\05112005\I554533A.raw

L:1808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:0

L:1969 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:0

M:341 Repeated in SeqNo=87